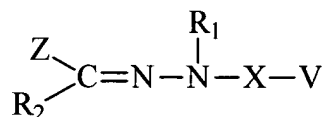


ORGANOPHOTORECEPTOR WITH CHARGE TRANSPORT MATERIAL HAVING A VINYL ETHER GROUP

Abstract of the Disclosure

Improved organophotoreceptor comprises an electrically conductive substrate and
5 a photoconductive element on the electrically conductive substrate, the photoconductive
element comprising:

(a) a charge transport material having the formula



where R_1 and R_2 are, independently, H, an alkyl group, an alkaryl group, or an
10 aryl group;

X is a linking group having the formula $-(\text{CH}_2)_m-$, branched or linear, where m is
an integer between 1 and 20, inclusive, and one or more of the methylene groups is
optionally replaced by O, S, C=O, O=S=O, a heterocyclic group, an aromatic group,
urethane, urea, an ester group, a NR_3 group, a CHR_4 group, or a CR_5R_6 group where R_3 ,
15 R_4 , R_5 , and R_6 are, independently, H, hydroxyl group, thiol group, an alkyl group, an
alkaryl group, a heterocyclic group, or an aryl group;

V comprises a vinyl ether group; and

Z comprises an (N,N-disubstituted)arylamine group, such as a carbazole group, a
julolidine group, or a p-(N,N-disubstituted)arylamine group; and

20 (b) a charge generating compound.

Corresponding electrophotographic apparatuses and imaging methods are
described.